

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-008480**Date Inspected:** 11-Aug-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai,China**CWI Name:** Lv Li Qing / Shen Tu You**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Tim McClendon was present during the time noted above for observations relative to the work being performed.

The QA Inspector randomly observed the following work in progress:

OBG Bay No. 19

The QA inspector performed Magnetic Particle Verification (MT) on the following suspender bracket: SB005-034 green tag # 5465, SB003-032 green tag # 5463, SB003-032 green tag # 5464. The green tags issued were ABF green tags only.

The QA inspector performed (MT) Verification on Bottom Panel 025-007 weld numbers 001, 002 and 003.

OBG Bay No. 14

On this date the QA inspector observed ZPMC personnel has installed Deck Panel on Seg. 9AE

On this date the QA inspector observed ZPMC personnel has installed Longitudinal Diaphragm LD004-042 for 9DE between PP81 and PP82.

Flux Cored Arc Welding (FCAW) of Longitudinal Diaphragm to Bottom Panel on SEG 050B weld number 013

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for Segment 9AE. The ZPMC welder identified as 0066064 was welding in the 2F position. The ZPMC QC identified as Zhong Guo Hui was monitoring the welding and recording the weld variables. The welding variables recorded by ZPMC QC appeared to comply with the WPS-B-T-2132.

Flux Cored Arc Welding (FCAW) of Floor Beam FL2-1 to F11 on SEG 052A weld number 124 for Segment 9BE. The ZPMC welder identified as 044795 was welding in the 3F position. The ZPMC QC identified as Zhong Guo Hui was monitoring the welding and recording the weld variables. The welding variables recorded by ZPMC QC appeared to comply with the WPS-B-T-2132.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant conversations spoken on this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (15000422372), who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	McClendon,Timothy	Quality Assurance Inspector
<b>Reviewed By:</b>	Patterson,Rodney	QA Reviewer

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